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## OM protein - protein search, using sw model

Run on: May 29, 2003, 15:20:24 ; Search time 45 Seconds

(without alignments)  
182.203 Million cell updates/sec

Title: US-09-924-102-2

Sequence: 1 MLSTHFLFYLFYFLSYL.....RMGGGGRGTADTGGMFLS 81

Scoring table:

BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 383519 seqs, 101223694 residues

Total number of hits satisfying chosen parameters: 383519

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published\_Applications\_AA:\*  
1: /cgn2\_6/ptodata/2/pubppa/US08\_NEW\_PUB.pep:\*  
2: /cgn2\_6/ptodata/2/pubppa/PCY\_NEW\_PUB.pep:\*  
3: /cgn2\_6/ptodata/2/pubppa/US06\_NEW\_PUB.pep:\*  
4: /cgn2\_6/ptodata/2/pubppa/US07\_NEW\_PUB.pep:\*  
5: /cgn2\_6/ptodata/2/pubppa/US07\_PUBCOMB.pep:\*  
6: /cgn2\_6/ptodata/2/pubppa/PCYUS\_PUBCOMB.pep:\*  
7: /cgn2\_6/ptodata/2/pubppa/US08\_PUBCOMB.pep:\*  
8: /cgn2\_6/ptodata/2/pubppa/US09\_PUBCOMB.pep:\*  
9: /cgn2\_6/ptodata/2/pubppa/US09\_NEW\_PUB.pep:\*  
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13: /cgn2\_6/ptodata/2/pubppa/US60\_NEW\_PUB.pep:\*  
14: /cgn2\_6/ptodata/2/pubppa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	418	100.0	81	9	US-09-924-102-2	Sequence 2, Appl1
2	90	21.5	20	9	US-09-924-102-5	Sequence 5, Appl1
3	71	17.0	181	10	US-09-811-284-236	Sequence 236, App
4	68	16.3	462	10	US-09-815-242-10965	Sequence 10965, A
5	65	15.6	65	9	US-09-924-102-1	Sequence 1, Appl1
6	65	15.6	222	9	US-10-012-896-479	Sequence 479, App
7	65	15.6	222	9	US-09-895-793-479	Sequence 479, App
8	65	15.6	222	9	US-09-895-814-479	Sequence 479, App
9	65	15.6	222	9	US-10-010-940-479	Sequence 479, App
10	65	15.6	222	10	US-09-759-143-479	Sequence 479, App
11	65	15.6	222	10	US-09-780-669-479	Sequence 479, App
12	65	15.6	222	10	US-09-822-827-479	Sequence 479, App
13	65	15.6	414	9	US-09-821-417-7	Sequence 7, Appl1
14	64.5	15.4	633	10	US-09-871-615-5	Sequence 5, Appl1
15	64	15.3	80	10	US-09-864-761-35659	Sequence 35659, A
16	63.5	15.2	101	10	US-09-864-761-33599	Sequence 33599, A
17	63	15.1	1079	9	US-09-820-843A-20	Sequence 20, Appl
18	62	14.8	50	9	US-09-764-872-324	Sequence 324, App

20	62	14.8	63	9	US-10-112-793-28	Sequence 28, Appl
21	61	14.6	131	9	US-09-269-921-104	Sequence 104, App
22	61	14.6	141	10	US-09-864-761-36181	Sequence 36181, A
23	61	14.6	249	10	US-09-730-374-3	Sequence 3, Appl1
24	61	14.6	876	10	US-09-815-242-13874	Sequence 13874, A
25	60	14.4	57	9	US-10-023-282-460	Sequence 460, App
26	60	14.4	77	10	US-09-925-302-608	Sequence 608, App
27	60	14.4	127	9	US-09-956-206A-65	Sequence 65, Appl
28	60	14.4	219	9	US-10-023-282-271	Sequence 271, App
29	60	14.4	222	9	US-10-006-856A-180	Sequence 180, App
30	60	14.4	222	9	US-10-006-818A-180	Sequence 180, App
31	60	14.4	222	9	US-10-015-933A-180	Sequence 180, App
32	60	14.4	222	9	US-09-946-374-180	Sequence 180, App
33	60	14.4	222	9	US-10-012-121A-180	Sequence 180, App
34	60	14.4	222	9	US-10-015-869A-180	Sequence 180, App
35	60	14.4	222	9	US-10-006-116A-180	Sequence 180, App
36	60	14.4	222	9	US-10-006-117A-180	Sequence 180, App
37	60	14.4	222	9	US-10-013-913A-180	Sequence 180, App
38	60	14.4	222	9	US-10-017-527A-180	Sequence 180, App
39	60	14.4	222	9	US-10-007-194A-180	Sequence 180, App
40	60	14.4	222	9	US-10-013-430A-180	Sequence 180, App
41	60	14.4	222	9	US-10-011-671A-180	Sequence 180, App
42	60	14.4	222	9	US-10-012-755A-180	Sequence 180, App
43	60	14.4	625	9	US-09-331-631A-5	Sequence 5, Appl1
44	59.5	14.2	108	9	US-10-091-483-169	Sequence 169, App
45	59.5	14.2	108	10	US-09-764-846-169	Sequence 169, App

## ALIGNMENTS

RESULT 1  
US-09-924-102-2  
; Sequence 2, Application US/09924102  
; Publication No. US2002018104A1  
; GENERAL INFORMATION:  
; APPLICANT: KORNBLOTH, SALLY A  
; TITLE OF INVENTION: REAPER PROTEIN  
; FILE REFERENCE: 1579-470  
; CURRENT APPLICATION NUMBER: US/09/924,102  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: 60/223,699  
; PRIOR FILING DATE: 2000-08-08  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 81  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; OTHER INFORMATION: Description of Artificial Sequence: human Reaper  
; US-09-924-102-2

Query Match 100.0%; Score 418; DB 9; Length 81;  
Best local Similarity 100.0%; Pred. No. 46-39;  
Matches 81; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLSTHFLFYLFYFLSYLGGDRARLCRLRTKQKQKQKQILROSEVLFRESETLRTKQKRG 60  
DB 1 MLSTHFLFYLFYFLSYLGGDRARLCRLRTKQKQKQKQILROSEVLFRESETLRTKQKRG 60  
QY 61 RRMGGGGRGTADTGGMFLS 81  
DB 61 RRMGGGGRGTADTGGMFLS 81

RESULT 2  
US-09-924-102-5  
; Sequence 5, Application US/09924102  
; Publication No. US2002018104A1  
; GENERAL INFORMATION:  
; APPLICANT: KORNBLOTH, SALLY A

APPLICANT: HOLLEY, CHRISTOPHER  
TITLE OF INVENTION: REAPER PROTEIN  
FILE REFERENCE: 1579-470  
CURRENT APPLICATION NUMBER: US/09/924,102  
CURRENT FILING DATE: 2001-08-08  
PRIOR APPLICATION NUMBER: 60/223,699  
PRIOR FILING DATE: 2000-08-08  
NUMBER OF SEQ ID NOS: 14  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 5  
LENGTH: 20  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Description of Artificial Sequence: human Reaper  
US-09-924-102-5

Query Match 21.5%; Score 90; DB 9; Length 20;  
Best Local Similarity 95.0%; Pred. No. 0.0014;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 36 KEQOILROSEVLEFRSETLKR 55  
DB 1 KEQOILROSEVLEFRSETLKR 20

RESULT 3  
US-09-811-284-236  
Sequence 236, Application US/09811284  
Patent No. US20020058306A1  
GENERAL INFORMATION:  
APPLICANT: Vogel, Gabriel  
TITLE OF INVENTION: NO. US20020058306A1 G Protein-Coupled Receptors  
FILE REFERENCE: 00167US1  
CURRENT APPLICATION NUMBER: US/09/811,284  
CURRENT FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/189,783  
PRIOR FILING DATE: 2000-03-16  
PRIOR APPLICATION NUMBER: 60/189,907  
PRIOR FILING DATE: 2000-03-16  
PRIOR APPLICATION NUMBER: 60/189,918  
PRIOR FILING DATE: 2000-03-16  
PRIOR APPLICATION NUMBER: 60/189,960  
PRIOR FILING DATE: 2000-03-16  
PRIOR APPLICATION NUMBER: 60/189,917  
PRIOR FILING DATE: 2000-03-16  
PRIOR APPLICATION NUMBER: 60/192,945  
PRIOR FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: 60/192,916  
PRIOR FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: 60/192,923  
PRIOR FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: 60/192,933  
PRIOR FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: 60/192,830  
PRIOR FILING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: 60/192,234  
PRIOR FILING DATE: 2000-03-27  
PRIOR APPLICATION NUMBER: 60/192,155  
PRIOR FILING DATE: 2000-03-24  
PRIOR APPLICATION NUMBER: 60/192,935  
PRIOR FILING DATE: 2000-03-29  
NUMBER OF SEQ ID NOS: 258  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 236  
LENGTH: 181  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-811-284-236

Query Match 17.0%; Score 71; DB 10; Length 181;  
Best Local Similarity 70.0%; Pred. No. 2;  
Matches 14; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

QY 19 SLGDRARLCLIKTKKQOQKEQ 38  
DB 1 SLGDRARLCLIKTKKQKESQ 20

RESULT 4  
US-09-815-242-10965  
Sequence 10965, Application US/09815242  
Patent No. US20020061569A1  
GENERAL INFORMATION:  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Karl L.  
APPLICANT: Zyskind, Judith W.  
APPLICANT: Wall, Daniel  
APPLICANT: Trawick, John D.  
APPLICANT: Carr, Grant J.  
APPLICANT: Yamamoto, Robert T.  
APPLICANT: Xu, H. Howard  
TITLE OF INVENTION: Identification of Essential Genes in  
FILE REFERENCE: ELITRA.011A  
CURRENT APPLICATION NUMBER: US/09/815,242  
CURRENT FILING DATE: 2001-03-21  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
NUMBER OF SEQ ID NOS: 14110  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 10965  
LENGTH: 462  
TYPE: PRT  
ORGANISM: Haemophilus influenzae  
US-09-815-242-10965

Query Match 16.3%; Score 68; DB 10; Length 462;  
Best Local Similarity 27.9%; Pred. No. 12;  
Matches 29; Conservative 14; Mismatches 31; Indels 30; Gaps 5;

QY 3 LSTH-----LELYFLYFLYSIGDRA-----RLCLIKTKKQOQKEQILRQ 43  
DB 360 LSEHVKNQYDDKMFVGEALINSMTLKERANDPIIKSRRRRIALGSGTQVDVNRLLRQ 419

QY 44 SEVILR-SETLKR-----TKKGRNRGGGGRGTATGGMF 79  
DB 420 FDEMORMKMRKRGMAKMRGMQIMGGGLGGLG---LGGMF 460

RESULT 5  
US-09-924-102-1  
Sequence 1, Application US/09924102  
Publication No. US20020188104A1  
GENERAL INFORMATION:  
APPLICANT: KORNBLUTH, SALLY A  
APPLICANT: HOLLEY, CHRISTOPHER  
TITLE OF INVENTION: REAPER PROTEIN  
FILE REFERENCE: 1579-470  
CURRENT APPLICATION NUMBER: US/09/924,102  
CURRENT FILING DATE: 2001-08-08  
PRIOR APPLICATION NUMBER: 60/223,699  
PRIOR FILING DATE: 2000-08-08  
NUMBER OF SEQ ID NOS: 14

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: SOFTWARE: Patentin Ver. 2.1
: SEQ ID NO 1
: LENGTH: 65
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Drosophila Reaper
US-09-924-102-1

Query Match          15.6%; Score 65; DB 9; Length 65;
Best Local Similarity 37.7%; Pred. No. 3;
Matches 23; Conservative 11; Mismatches 11; Indels 16; Gaps 4;

QY 16 LSYSLGRRARLCKTKQOKEQOILROSEVLF-----SETLR-----TKGKGR 62
Db 3 VAFIIPQATL-LREA--EQKEQOILRLRESQMRFLATVLEIIRQTSCHPKTKGRSGK 59
QY 63 W 63
Db 60 Y 60

RESULT 6
US-10-203-081-1
: Sequence 1, Application US/10203081
: Publication No. US20030082527A1
: GENERAL INFORMATION:
: APPLICANT: Smith, Gary K.
: TITLE OF INVENTION: Viral Cell Death Protein and Uses Therefore
: FILE REFERENCE: P03909
: CURRENT APPLICATION NUMBER: US/10/203,081
: CURRENT FILING DATE: 2002-08-05
: NUMBER OF SEQ ID NOS: 34
: SOFTWARE: Patentin Ver. 2.1
: SEQ ID NO 1
: LENGTH: 65
: TYPE: PRT
: ORGANISM: Drosophila melanogaster
US-10-203-081-1

Query Match          15.6%; Score 65; DB 9; Length 65;
Best Local Similarity 37.7%; Pred. No. 3;
Matches 23; Conservative 11; Mismatches 11; Indels 16; Gaps 4;

QY 16 LSYSLGRRARLCKTKQOKEQOILROSEVLF-----SETLR-----TKGKGR 62
Db 3 VAFIIPQATL-LREA--EQKEQOILRLRESQMRFLATVLEIIRQTSCHPKTKGRSGK 59
QY 63 W 63
Db 60 Y 60

RESULT 7
US-10-012-896-479
: Sequence 479, Application US/10012896
: Publication No. US20020183251A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Jianshun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan L.
: APPLICANT: Jiang, Yugu
: APPLICANT: Kalos, Michael D.
: APPLICANT: Retter, Marc W.
: APPLICANT: Stolk, John A.
: APPLICANT: Day, Craig H.
: APPLICANT: Vedvick, Thomas S.
: APPLICANT: Carter, Darick
: APPLICANT: Li, Samuel X.
: APPLICANT: Wang, Aijun
: APPLICANT: Skeiky, Yasir A.W.
: APPLICANT: Hepler, William T.
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: APPLICANT: Henderson, Robert A.
: APPLICANT: Hural, John
: APPLICANT: McNeill, Patricia D.
: APPLICANT: Houghton, Raymond L.
: APPLICANT: Vinals de Bassols, Carlota
: APPLICANT: Foy, Teresa
: APPLICANT: Fanger, Gary R.
: APPLICANT: Mantabe, Yoshihiro
: APPLICANT: Meagher, Madeleine Joy
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C27
: CURRENT APPLICATION NUMBER: US/10/012,896
: CURRENT FILING DATE: 2001-12-10
: NUMBER OF SEQ ID NOS: 1011
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 479
: LENGTH: 222
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-012-896-479

Query Match          15.6%; Score 65; DB 9; Length 222;
Best Local Similarity 52.0%; Pred. No. 12;
Matches 13; Conservative 6; Mismatches 2; Indels 4; Gaps 1;

QY 11 LFIFYLSLGDRRARLCKTKRQO 35
Db 199 IFYF---LGNARLCKTKRQO 219

RESULT 8
US-09-895-793-479
: Sequence 479, Application US/09895793
: Publication No. US20020192763A1
: GENERAL INFORMATION:
: APPLICANT: Xu, Jianshun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan L.
: APPLICANT: Jiang, Yugu
: APPLICANT: Kalos, Michael D.
: APPLICANT: Retter, Marc W.
: APPLICANT: Stolk, John A.
: APPLICANT: Day, Craig H.
: APPLICANT: Vedvick, Thomas S.
: APPLICANT: Carter, Darick
: APPLICANT: Li, Samuel X.
: APPLICANT: Wang, Aijun
: APPLICANT: Skeiky, Yasir A.W.
: APPLICANT: Hepler, William T.
: APPLICANT: Henderson, Robert A.
: APPLICANT: Hural, John
: APPLICANT: McNeill, Patricia D.
: APPLICANT: Houghton, Raymond L.
: APPLICANT: Vinals de Bassols, Carlota
: APPLICANT: Foy, Teresa
: APPLICANT: Fanger, Gary R.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.534C2
: CURRENT APPLICATION NUMBER: US/09/895,793
: CURRENT FILING DATE: 2001-06-29
: NUMBER OF SEQ ID NOS: 982
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 479
: LENGTH: 222
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-895-793-479

Query Match          15.6%; Score 65; DB 9; Length 222;
Best Local Similarity 52.0%; Pred. No. 12;
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RESULT 10  
US-10-010-940-479  
: Sequence 479, Application US/10010940  
: Publication No. US20030086052A1  
: GENERAL INFORMATION:  
: APPLICANT: Xu, Jiangchun  
: APPLICANT: Dillon, Davin C.  
: APPLICANT: Mitcham, Jennifer L.  
: APPLICANT: Harlocker, Susan Louise  
: APPLICANT: Jiang Yuqul  
: APPLICANT: Reed, Steven G.  
: APPLICANT: Kalos, Michael  
: APPLICANT: Fanger, Gary  
: APPLICANT: Retter, Mark  
: APPLICANT: Solk, John  
: APPLICANT: Day, Craig  
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND

RESULT 12  
US-09-780-669-479  
: Sequence 479, Application US/097806655  
: Patent No. US20020051977A1  
: GENERAL INFORMATION:  
: APPLICANT: Xu, Jiangchun  
: APPLICANT: Dillon, Devin C.  
: APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Henderson, Robert A.  
APPLICANT: Kalos, Michael D.  
APPLICANT: Fanger, Gary R.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aljun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William  
APPLICANT: Hural, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.427C24  
CURRENT FILING DATE: 2001-02-09  
NUMBER OF SEQ ID NOS: 2943  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 479  
LENGTH: 222  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-780-669-479

Query Match 15.6%; Score 65; DB 10; Length 222;  
Best Local Similarity 52.0%; Pred. No. 12;  
Matches 13; Conservative 6; Mismatches 2; Indels 4; Gaps 1;

QY 11 LFTYFLSYSGDRLRLCKRTKQOQ 35  
DB 199 IFFYF---LGNQARLCLKRRKKQ 219

RESULT 13  
US-09-822-827-479  
Sequence 479, Application US/09822827  
Patent No. US20020081680A1  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.534C1  
CURRENT APPLICATION NUMBER: US/09/822,827  
CURRENT FILING DATE: 2001-03-28  
NUMBER OF SEQ ID NOS: 982  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 479  
LENGTH: 222  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-822-827-479

Query Match 15.6%; Score 65; DB 10; Length 222;  
Best Local Similarity 52.0%; Pred. No. 12;  
Matches 13; Conservative 6; Mismatches 2; Indels 4; Gaps 1;

QY 11 LFTYFLSYSGDRLRLCKRTKQOQ 35  
DB 199 IFFYF---LGNQARLCLKRRKKQ 219

RESULT 14  
US-09-291-417-7  
Sequence 7, Application US/09291417A  
Publication No. US20030050230A1  
GENERAL INFORMATION:  
APPLICANT: PLOWMAN, GREGORY

APPLICANT: MARTINEZ, RICARDO  
APPLICANT: WHITE, DAVID  
TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES  
FILE REFERENCE: 240/300  
CURRENT APPLICATION NUMBER: US/09/291,417A  
CURRENT FILING DATE: 1999-04-13  
EARLIER APPLICATION NUMBER: US 60/081,784  
EARLIER FILING DATE: 1998-04-14  
NUMBER OF SEQ ID NOS: 147  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 7  
LENGTH: 414  
TYPE: PRT  
ORGANISM: Mammalian (Human) STLK4  
FEATURE:  
OTHER INFORMATION: "Xaa" stands for any amino acid.  
US-09-291-417-7

Query Match 15.4%; Score 64.5; DB 9; Length 414;  
Best Local Similarity 35.2%; Pred. No. 27;  
Matches 19; Conservative 8; Mismatches 26; Indels 1; Gaps 1;

QY 24 ARLCRTKQOQKQEQILROSEVLFRESETLKTKGKRRNGGCGRGCTADTG 77  
DB 170 AELRHKFFQKAKKEFL-DEKTLQRAPIISERAKVRYRPGSSGRHKTEDEG 222

RESULT 15  
US-09-871-615-5  
Sequence 5, Application US/09871615  
Patent No. US20020061527A1  
GENERAL INFORMATION:  
APPLICANT: Wei et al.  
TITLE OF INVENTION: Human DNA Topoisomerase 1 Alpha  
FILE REFERENCE: EP18D3  
CURRENT APPLICATION NUMBER: US/09/871,615  
CURRENT FILING DATE: 2001-06-04  
PRIOR APPLICATION NUMBER: 09/325,430  
PRIOR FILING DATE: 1999-06-04  
PRIOR APPLICATION NUMBER: 08/033,153  
PRIOR FILING DATE: 1998-03-02  
PRIOR APPLICATION NUMBER: 08/458,477  
PRIOR FILING DATE: 1995-06-02  
PRIOR APPLICATION NUMBER: PCT/US94/05701  
PRIOR FILING DATE: 1994-05-18  
NUMBER OF SEQ ID NOS: 5  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 5  
LENGTH: 633  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-871-615-5

Query Match 15.3%; Score 64; DB 10; Length 633;  
Best Local Similarity 30.0%; Pred. No. 48;  
Matches 18; Conservative 9; Mismatches 33; Indels 0; Gaps 0;

QY 18 YSLGDRRLCLRTKQOQKQEQILROSEVLFRESETLKTKGKRRNGGCGRGCTADTG 77  
DB 312 YETARLRKCVDIRINQYREDWKSKEKVRQRAVALYFDKLLRNGENKEBEGTADTVG 371

Search completed: May 29, 2003, 15:29:27  
Job time : 51 secs

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